

ABSTRACT OF THE DISCLOSURE

Standard attachment fittings for wire rope and chain (WR&C) that are enhanced to also perform load weighing functions in lifting/support or pulling assembly applications. The existing unmodified shape of each typical WR&C fitting provides focused linear strain under tensile or compression loading at determinable points on the fitting body. Affixing a strain gauge element to any of these points will enable accurate load weight measurement eliminating the need for a separate weigh scale and a "thin section" typically required in load sensors to focus load strain and achieve accurate load weight readings. The invention addresses increased WR&C fitting assembly simplicity, preserved structural integrity, improved assembly compactness, reduced cost, enhanced safety and maintenance of the original application functions of the standard attachment fittings whilst enhancing the said fittings with weighing function capability.